

PTO/SB/08A

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/636,017
Filing Date	August 7, 2002
Confirmation Number	Not Yet Assigned
First Named Inventor	Robert A. Holton et al.
Group Art Unit	1626
Examiner Name	Not Yet Assigned

Sheet

1

of

6

Attorney Docket No.

FSUM 10245.2

U.S. PATENT DOCUMENTS

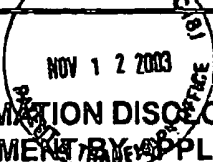
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
<i>mr</i>	1	4,680,391		Firestone et al.	07-14-1987
<i>mr</i>	2	4,814,470		Colin et al.	03-21-1989
<i>mr</i>	3	4,857,653		Colin et al.	08-15-1989
<i>mr</i>	4	4,876,399		Holton et al.	10-24-1989
<i>mr</i>	5	4,924,011		Denis et al.	05-08-1990
<i>mr</i>	6	4,924,012		Colin et al.	05-08-1990
<i>mr</i>	7	4,942,184		Haugwitz et al.	07-17-1990
<i>mr</i>	8	4,960,790		Stella et al.	10-02-1990
<i>mr</i>	9	5,015,744		Holton	05-14-1991
<i>mr</i>	10	5,059,699		Kingston et al.	10-22-1991
<i>mr</i>	11	5,136,060		Holton	08-04-1992
<i>mr</i>	12	5,175,315		Holton	12-29-1992
<i>mr</i>	13	5,227,400		Holton et al.	07-13-1993
<i>mr</i>	14	5,229,526		Holton	07-20-1993
<i>mr</i>	15	5,243,045		Holton et al.	09-07-1993
<i>mr</i>	16	5,250,683		Holton et al.	10-05-1993

Examiner
SignatureDate
Considered

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		Group Art Unit		1626	
Examiner Name		Not Yet Assigned			
Sheet	2	of	6	Attorney Docket No.	FSUM 10245.2

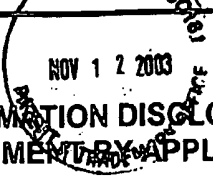
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<i>Mr</i>	19	5,274,124		Holton	12-28-1993
<i>Mr</i>	20	5,283,253		Holton et al.	02-01-1994
<i>Mr</i>	21	5,284,864		Holton et al.	02-08-1994
<i>Mr</i>	22	5,284,865		Holton et al.	02-08-1994
<i>Mr</i>	23	5,336,785		Holton et al.	08-09-1994
<i>Mr</i>	24	5,338,872		Holton et al.	08-16-1994
<i>Mr</i>	25	5,350,866		Holton et al.	09-27-1994
<i>Mr</i>	26	5,384,399		Holton	01-24-1995
<i>Mr</i>	27	5,399,726		Holton et al.	03-21-1995
<i>Mr</i>	28	5,430,160		Holton	07-04-1995
<i>Mr</i>	29	5,466,834		Holton	11-14-1995
<i>Mr</i>	30	5,481,010		Ahond et al.	01-02-1996
<i>Mr</i>	31	5,489,601		Holton et al.	02-06-1996
<i>Mr</i>	32	5,539,103		Holton	07-23-1996
<i>Mr</i>	33	5,587,489		Holton et al.	12-24-1996
	34	5,618,952		Holton et al.	04-08-1997
<i>Mr</i>	35	5,654,447		Holton et al.	08-05-1997
<i>Mr</i>	36	5,717,115		Holton et al.	02-10-1998




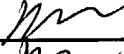

Examiner Signature	<i>Mr. [Signature]</i>	Date Considered	<i>2/10/04</i>
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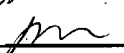


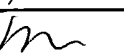
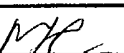
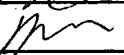
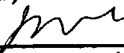
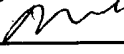

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	37	5,723,634		Holton et al.	03-03-1998
	38	5,728,850		Holton et al.	03-17-1998
	39	5,760,219		Holton et al.	06-02-1998
	40	5,990,325		Holton et al.	11-23-1999
	41	6,066,747		Holton et al.	05-23-2000

FOREIGN PATENT DOCUMENTS

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		Office	Number ⁴	Kind Code ² (if known)			
	42	EP	0247378	B1	Kanegafuchi Chemical Ind. (JP)	12-02-1987	
	43	EP	0253738	A1	Rhone Poulenc	01-20-1988	
	44	EP	0253739	A1	Rhone Poulenc	01-20-1988	
	45	EP	0336840	A1	Centre National De La Recherche Scientifique	10-11-1989	
	46	EP	0336841	A1	Rhone Poulenc	10-11-1989	
	47	EP	0400971	A2	Florida State University	12-05-1990	
	48	EP	0428376	A1	Florida State University	05-22-1991	
	49	EP	0534707	B1	Florida State University	03-31-1993	
	50	EP	0534708	B1	Florida State University	03-31-1993	
	51	EP	0534709	A1	Florida State University	03-31-1993	

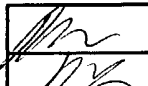
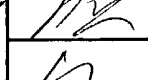
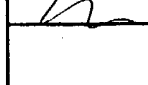
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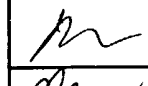
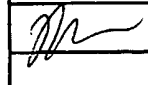

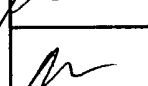
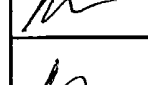
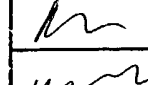
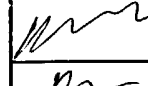
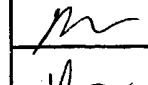
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Sheet	4	of	6	Attorney Docket No.	FSUM 10245.2

	52	WO	92/09589	A1	Rhone Poulenc	06-11-1992	
	53	WO	93/02065	A1	Rhone Poulenc	02-04-1993	
	54	ZA	919224		Rhone Poulenc	11-23-1990	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

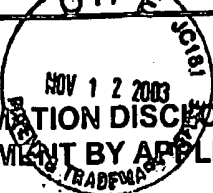
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	55	BARTHOLOMEW, D. et al., "A Novel Rearrangement Reaction Conversion of 3-(chloromethyl)azetidin-2-ones to Azetidine-3-carboxylic Acid Esters", <i>Tetrahedron Letters</i> , 1991, pp. 4795-4798, Vol. 32, No. 36.	
	56	Chemical Abstract No. 97620, 9-15-1975, Vol. 83(11).	
	57	DELLA CASA DE MARCANO, D.P. AND HALSALL, T.G., "Structures of Some Taxane Diterpenoids, Baccatins-III, -IV, -VI, and VII and 1-Dehydroxybaccatin-IV, Possessing an Oxetan Ring", <i>J. Chem. Soc., Chem. Commun.</i> , 1975, 365.	
	58	DENIS, J. et al., "A Highly Efficient, Practical Approach to Natural Taxol", <i>J. Am. Chem. Soc.</i> , 1988, pp. 5917-5919, Vol. 110, No. 17.	
	59	DENIS, J. et al., "An Efficient, Enantioselective Synthesis of The Taxol Side Chain", <i>J. Org. Chem.</i> , 1986, pp. 46-50, Vol. 51, No. 1.	
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	61	HOLTON, R. et al., "A Synthesis of Taxusin", <i>J. Am. Chem. Soc.</i> , 1988, pp. 6558-6560, 110.	
	62	HOLTON, R. et al., "First Total Synthesis of Taxol. I. Functionalization of the B Ring", <i>J. Am. Chem. Soc.</i> , 1994, 1597-1598, 116	

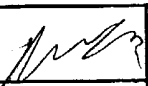
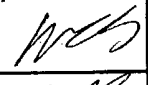

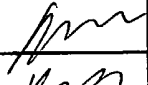
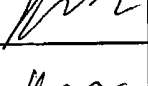
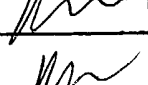
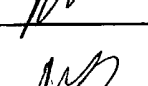

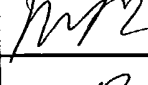
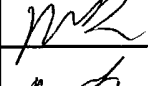
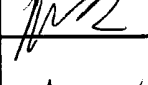

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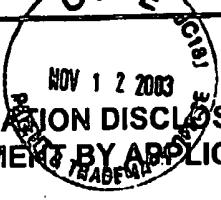
	63	HOLTON, R., "Synthesis of the Taxane Ring System", <i>Journal of the American Chemical Society</i> , 1984, pp. 5731-5732, Vol. 106.	
	64	KAISER et al., "Synthesis of Esters of Acid-Unstable Alcohols by Means of n-butyllithium", <i>J. Org. Chem.</i> , 1970, 35, 1198.	
	65	KINGSTON, D. et al., "Progress in the Chemistry of Organic Natural Products", <i>Springer-Verlag</i> , 1993, pp. 1-206, New York.	
	66	LIAN, J.-Y. Z.-MIN, D., MIZUNO, M., TANAKA, T., AND IINUMA, M., "Two Taxane Diterpenes from <i>Taxus mairei</i> ", <i>Phytochem.</i> , 1988, 27, 3674.	
	67	MAGRI, N. et al., "Modified Taxols. 4. Synthesis and Biological Activity of Taxols Modified in the Side Chain", <i>J. of Natural Products</i> , 1988, pp. 298-306, Vol. 51, No. 2.	
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	69	MUKERJEE, A. et al., "β-Lactams: Retrospect and Prospect", <i>Tetrahedron</i> , 1978, pp. 1731-1767, Vol. 34, Report No. 52.	
	70	OJIMA, I. et al., "New and Efficient Approaches to the Semisynthesis of Taxol and its C-13 Side Chain Analogs by Means of β-Lactam Synthon Method", <i>Tetrahedron</i> , 1992, pp. 6985-7012, Vol. 48, No. 34.	
	71	SAMARANAYAKE, G. et al., "Modified Taxols. 5. Reaction of Taxol With Electrophilic Reagents and Preparation of a Rearranged Taxol Derivative with Tubulin Assembly Activity", <i>J. Org. Chem.</i> , 1991, pp. 5114-5119, Vol. 56.	
	72	SCIENCE/TECHNOLOGY, "New Family of Taxol, Taxotere Analogs Developed", <i>Chem. & Engineering News</i> , April 12, 1993, pp. 26-27.	
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	74	SENILH et al., "Chime Organique Biologique - Hemisynthese de nouveaux analogues du taxol. Etude de leur interaction avec la tubuline", <i>C.R. Acad. Sc. Paris</i> , 1984, pp. 1039-1043, t. 299, Serie II, No. 15.	


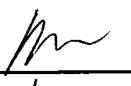
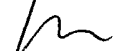
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				Confirmation Number	Not Yet Assigned
				First Named Inventor	Robert A. Holton et al.
				Group Art Unit	1626
				Examiner Name	Not Yet Assigned
Sheet	6	of	6	Attorney Docket No.	FSUM 10245.2

	75	WANI, M. et al., "Plant Antitumor Agents. VI. The Isolation and Structure of Taxol, a Novel Antileukemic and Antitumor Agent from <i>Taxus Brevifolia</i> ", <i>J. Am. Chem. Soc.</i> 93:9, May 5, 1971, pp. 2325-2327.	
	76	WITHERUP, K. et al., "High Performance Liquid Chromatographic Separation of Taxol and Related Compounds From <i>Taxus Brevifolia</i> ", <i>Jor. of Liquid Chromatography</i> , 1989, pp. 2117-2132, 12(11).	
	77	ZHANG, Z. et al., "Taxanes from <i>Taxus Yunnanensis</i> ", <i>Phytochemistry</i> , 1990, pp. 3673-3675, Vol. 29, No. 11.	

Examiner Signature		Date Considered	4/04
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